

Appl. No. 10/783,547  
Amdt. dated January 18, 2006

Reply to Office Action of November 2, 2005  
Attorney Docket 17546

### AMENDMENT TO THE SPECIFICATION

Please replace paragraph [0092] with the following amended paragraph:

[0092] In the first stage, shown in FIGURE 4, controller 234 repeatedly calculates the motor/rotor speed ratio and the corresponding gear ratio of the gearbox fifty times in a row. Each time through it calculates which of the three gear ratios the gearbox is engaged in: first, second or third gear. It repeats this process at least twice, preferably fifty times. Controller 234 simultaneously calculates three sums that are stored in three variables: Counter[0], which indicates how many times controller 234 calculates first gear as the gear ratio; Counter[1], which indicates how many times controller 234 calculates second gear as the gear ratio; and Counter[2], which indicates how many times controller 234 calculates third gear as the gear ratio. In short, controller 234 sums the results of the gear ratio calculations, keeping a running count or sum for each of the three gear ~~ratios~~ratios it determines. The speed ratio is the ratio of the motor speed (an input to the gearbox) and the rotor speed (an output from the gearbox).